

## Product datasheet for **AM32160PU-N**

### Mucin-5AC Mouse Monoclonal Antibody [Clone ID: 1-13M1]

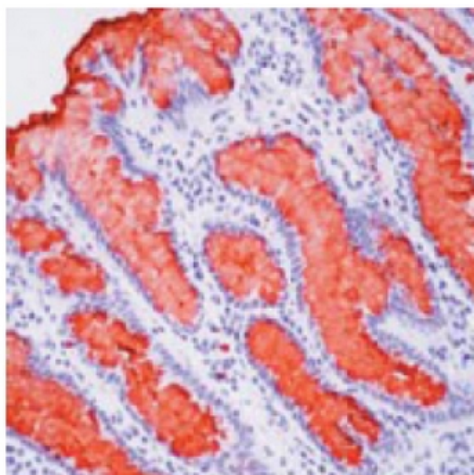
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1-13M1
Applications:	ELISA, IHC, R, WB
Recommended Dilution:	<b>Immunohistochemistry on cultured cells.</b> <b>Immunochemistry on Frozen Ethanol Fixed Sections.</b> <b>Immunochemistry on Paraffin Sections:</b> a protease pretreatment is recommended. This antibody clone <i>1-13M1</i> cross reacts with Mucin of different animal species after periodate pretreatment. <b>Immunoblotting:</b> Strongly positive without mercaptoethanol pretreatment of mucin solution. This antibody clone <i>1-13M1</i> recognizes Mucin 5AC under <i>non-reducing conditions</i> . <b>ELISA</b> or <b>IRMA</b> in combination with the <i>Clone 9-13M1</i> or the mixture of anti-M1 monoclonal antibodies.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A BALB/c mouse was immunized with Mucin isolated from an ovarian cyst fluid (pure endocervical type according to the Fenoglio's classification). Splenocytes were fused with mouse myeloma SP2/0 cells.
Specificity:	This antibody clone <i>1-13M1</i> is specific for the peptide core of Gastric Mucin (MUC5AC), and more specifically with the 'a' epitope, which is the most abundant amongst the a,b,c,d,e,f, and h protein core epitopes defined by Bara for M1. This antibody has not been cross-adsorbed and may react with related peptides from cat, cow, chicken, monkey, mouse, rat and rabbit. The antibody is negative with hedgehog and pig.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide



[View online »](#)

Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mucin 5AC, oligomeric mucus/gel-forming
Database Link:	<a href="#">Entrez Gene 4586 Human P98088</a>
Background:	Mucins are high molecular weight glycoproteins that are found especially in the secretions of mucus membranes. Gastric Mucin 5AC antigen is found in columnar mucus cells of surface gastric epithelium and in goblet cells of the fetal and precancerous colon but not in normal colon. Resurgence of gastric mucin during colonic carcinogenesis is suggestive of either re-expression of the peptide core of gastric mucin in the adult colon or due to changes in the glycosylation pattern of mucin, which expose the hidden Mucin 5AC antigen.
Synonyms:	MUC5AC, MUC5, TBM, LeB

**Product images:**

Formalin-fixed, paraffin-embedded human stomach stained with Mucin-5AC antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic and surface staining of mucous cells.